Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	5	("6236714" "6266348" "6356585" "6370187"	USPAT	OR	OFF	2003/12/18 14:49
-		"6445733").PN.				
S2		("3573380" "4131766" "4568156" "4679227" "4731816" "4802190" "4912763" "5048054" "5128964" "5206886" "5285474" "5327574" "5400322" "5428790" "5452288" "5479447" "5497398" "5521906" "5533008" "5555244" "5596604" "5598435" "5636246" "5644573" "5812599" "5822372" "5852633" "5960036" "6005893" "6052411" "6065060" "6072779" "6101216").PN.	USPAT	OR	OFF	2003/12/18 14:53
.S3.⊧	12	\$2 and (transmit\$4 near5 power) **	ÜSPAT.	OR TO	OFF	:2003/12/18/14:59
S4	0	S3 and off\$hook	USPAT	OR	OFF	2003/12/18 14:59
S5.	340	(off\$hook:and modem):ab:	US PGPUB; USPAT; EPO; JPO; DERWENT; IBM_IDB	(OR		2003/12/18-15:00
S6	95	S5 and power	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/18 15:00
S7	53	S5 and power ab:	US-PGPUB; USPAT; EPO: JPO; DERWENT; IBM_TDB	OR	ON	2003/12/18 15:00
S8	53	S5 and power.ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/18 16:06
S9	14	"4599491".URPN	USPATE	OR	OFF	2003/12/18-15:53
S10	9	"5815567".URPN.	USPAT	OR	OFF	2003/12/18 16:00
S11	1525	"analog modem"	US-PGPUB; USPAT; EPO; JPO; DERWENT;	OR	ON	2003/12/18 16:06
			IBM_TDB			The state of the second of the

S12	123	S11 and power.ab.	US-PGPUB; USPAT; EPO; JPO;	OR	ON	2003/12/18 16:06
			DERWENT; IBM_TDB			
S13	32	S12 and transmit.ab.	US-PGPUB; USPAT;	OR	ON	2003/12/18 16:22
			EPO; JPO;			
			DERWENT; IBM_TDB	·. · · ·		
S14	8	"5127046".URPN.	USPAT	OR	OFF	2003/12/18 16:09
S15	.1.	("5 446 914").PN.	USPAT; USOCR	OR	OFF	2003/12/18 16:23
S16	11	"5446914".URPN.	USPAT	OR	OFF	2003/12/18 16:24
S17	160	(379/394).CCLS.	USPAT; USOCR	OR	OFF :	2003/12/18 16:36
S18	0	("19andmodem").PN.	USPAT;	OR	OFF	2003/12/18 16:36
		· .	USOCR			
S19	28	S17 and modem	USPAT	OR	OFF	2003/12/18 16:36
S20	4	"5912513".URPN.	USPAT	OR	OFF	2003/12/18 17:47
S21	· · · o	"6377681".URPN.	USPAT	OR	OFF	2003/12/18 17:11
S22	0	"6377681".URPN.	USPAT,	OR	OFF	2003/12/18 17:14
S23	-2	("6324268" "6345071").PN.	USPAT	OR	OFF :	2003/12/18 17:44
524	2	("6324268" "6345071").PN.	USPAT	OR	OFF	2003/12/18 17:46
S25	0	"6520744" URPN.	USPAT	OR	OFF	2003/12/18 17:46
S26	. 0	transmission with allowed with during with off\$hook	USPAT	OR	OFF	2003/12/18 17:48
S27	4	transmission with allow\$4 with	USPAT	OR	OFF	2003/12/18 18:11
		during with off\$hook		AN A		
S28	148	us\$3 with (phone tele\$phone) with modem with simultaneous\$3	US-PGPUB; USPAT;	OR	ON	2003/12/18 18:13
			EPO; JPO;			
}			DERWENT; IBM_TDB			
S29	6	S28 and splitterless	US-PGPUB;	OR	ON	2003/12/18 18:31
			USPAT;			
			EPO; JPO; DERWENT;			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
			IBM_TDB		. ,	
S30	223	"g.lite"	US-PGPUB; USPAT;	OR	ON	2003/12/18 18:31
			EPO; JPO;			
			DERWENT;	, i		
<u> </u>			IBM_TDB			

						
S31	116	S30 and modem and transmit\$5 and current	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/18 18:32
S33	33	S31 and splitterless	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/18 18:40
S34	605	(379/377,29.03-29.04,207.07,30). CCLS.	USPAT; USOCR	OR	OFF	2003/12/18 18:41
S35	131	(379/393).CCLS.	USPAT; USOCR	OR	OFF	2003/12/18 18:42
S37	0	S35 and "g.lite"	USPAT	OR	OFF	2003/12/18 18:43
S38	11	S35 and modem	USPAT	OR	OFF	2003/12/18 18:43
S39	1	("5422939").PN.	USPAT; USOCR	OR	OFF	2003/12/18 19:13
S40	1	"6240177".URPN.	USPAT	OR 1	OFF	2003/12/18 19:10
S41	4	("4686697" "4998271" "5521974" "5592529").PN.	USPAT	OR	OFF	2003/12/18 19:10
S43	120	(guitar and electronic\$4).ab.	US-PGPUB; USPAT	OR	ON	2003/12/18 19:14
544	29	((379/377).CCLS.) and (off\$hook "off hook" "offhook").ab. and threshold and ("loop current" "line current")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/18 11:30
S45	1	("4712233").PN.	USPAT; USOCR	OR	OFF	2003/06/19 09:07
S46	47	((379/377).CCLS.) and (off\$hook "off hook" "offhook") and threshold and current.ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/15 12:04
S47	32	"4712233".URPN.	USPAT	ÓR	OFF	2003/06/19 11:21
S48	18	"5506891".URPN.	USPAT	OR	OFF	2003/06/19 11:32
549	9	("4446338" "4525603"	USPAT	OR	OFF	2003/06/19 11:32
		"4654869" "4696031" "4802207" "4811389" "4837797" "4958371" "5311588").PN.		44		
S50	1	("5422939").PN.	USPAT; USOCR	OR	OFF	2003/12/15 12:04
S51	·385	(379/377).CCLS.	USPAT; USOCR	OR	OFF	2003/12/16 11:50

S52	16	((379/377).CCLS.) and ("constant current" "constant loop current"). ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/16 11:50
S53	. 6	((379/377).CCLS.) and (off\$hook "off hook" "offhook").ab. and threshold.ab. and current.ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/16 11:50
S54	48	(((379/377).CCLS.) and (off\$hook "off hook" "offhook").ab. and threshold and ("loop current" "line current")) not (((379/377).CCLS.) and (off\$hook "off hook" "offhook"). ab. and threshold.ab. and current. ab.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/16 11:53
S55	1.	("6256377").PN.	USPAT; USOCR	OR	OFF	2003/12/16 17:00
S56	2	"6256377" URPN.	USPAT	OR	OFF	2003/12/16 17:00
S57	39	((adsl dsl) and power and (co	US-PGPUB;	OR	ON	2003/12/17 08:34
		"central office")).ab.	USPAT; EPO; JPO; DERWENT; IBM_TDB			
S58	4	((adsl dsl) and power and (co "central office")).ab. and splitterless	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/17 10:03
S59	7	((adsl dsl) and modem).ab. and	US-PGPUB;	OR	ON	2003/12/17 10:15
		(power near4 cutback)	USPAT; EPO; JPO;			
		Mark Company	DERWENT;			
cco	2514		IBM_TDB			
S60	2514	baum.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/17 10:15
S61	12	baum.in. and (dsl adsl)	US-PGPUB;	OR	ON	2003/12/17 11:42
			USPAT; EPO; JPO; DERWENT; IBM_TDB	·	:: . .,	
S62	2	("6324268" "6345071").PN.	USPAT	OR	OFF	2003/12/17 10:41
S63	6	("4757495" "5475691" "6061392" "6101216" "6151335" "6192109").PN.	USPAT.	OR	OFF 	2003/12/17 10:53
564	138	"4757495".URPN.	USPAT	OR	OFF	2003/12/17 11:41

			,			
S65	31	"4757495".URPN. and off\$hook	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/25 11:17
S66	4	("3875339" "4379947" "4425642" "4438511").PN.	USPAT	OR	OFF	2003/12/17 12:00
S67	816	((adsl dsl) and modem).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/18 11:39
S68	28	"active current sink"	US-PGPUB; USPAT; EPO; JPO;	OR	ON	2003/12/18 12:15
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DERWENT; IBM_TDB			
S69 _.	4	(((adsl dsl) and modem).ab.) and "current source"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/18 11:58
S70	1	(((adsl dsl) and modem) ab.) and "current sink"	US-PGPUB; USPAT; EPO; JPO;	-OR	ON	2003/12/18 12:03
			DERWENT; IBM_TDB			en e
S71	40	"wetting current"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/18 12:05
S72	3	ulanskas.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/18 12:05
S73	14	("4625077" "4924492" "5063563" "5128619" "5768684" "5815798" "5864602" "6055297" "6061427" "6084946" "6226356" "6229855" "6236714" "6292539").PN.	USPAT	OR	OFF	2003/12/18 12:05
S74	1	(("4625077" "4924492" "5063563" "5128619" "5768684" "5815798" "5864602" "6055297" "6061427" "6084946" "6226356" "6229855" "6236714" "6292539").PN.) and splitterless	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/18 12:17

S75	1	(((adsl dsl) and modem).ab.) and "operating current"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/18 12:30
S76	8	(((adsl dsl) and modem).ab.) and "transmit power level"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/18 12:30
S77	61	off\$hook near2 threshold	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR ·	ON	2005/01/25 11:17
S78	21	S77 and modem	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/25 11:17
S79	27	("2269141" "3499121" "3514544" "3786501" "4000376" "4051333" "4060700" "4136266" "4230914" "4373120" "4434328" "4443665" "4444999" "4726048" "4747128" "4805210" "4807278" "4809317" "4825465" "4941166" "4969178" "5231658" "5559873" "5696810").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/25 12:14
S80	8.	("5796789"):URPN.	USPAT	OR	OFF *	2005/01/25 13:00
S81	278	379/381.cds.	USPAT	OR	OFF	2005/01/25 13:00
S82	52	S81 and \$5hook\$7	USPAT	OR	OFF	2005/01/25 13:46
S83	277	modem near2 (off\$hook)	USPAT	OR	OFF	2005/01/25 13:47
S84	351	modem near2 (off\$hook)	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/25 13:47
S85	74	S83 and threshold	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/25 13:51

S86	236	S84 and detect\$4 near5 modem	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/25 13:51
S87	56	S86 and threshold	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/25 14:08
S88	52	S87 and (central co exchange branch office)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/25 14:08

This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

| BLACK BORDERS
| IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
| FADED TEXT OR DRAWING
| BLURRED OR ILLEGIBLE TEXT OR DRAWING
| SKEWED/SLANTED IMAGES
| COLOR OR BLACK AND WHITE PHOTOGRAPHS
| GRAY SCALE DOCUMENTS
| LINES OR MARKS ON ORIGINAL DOCUMENT
| REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY

IMAGES ARE BEST AVAILABLE COPY.

OTHER: _

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.